

FIRE EQUIPMENT MECHANIC II

Class Definition

Under general supervision, maintains and repairs Fire Department heavy equipment, apparatus, and related fire-fighting equipment.

Distinguishing Characteristics

Fire Equipment Mechanic II is the journey level class in the Fire Department's Fire Equipment Mechanic series. Incumbents perform fully skilled tasks in the maintenance and minor repair of all fire apparatus and related equipment. This class differs from Fire Equipment Mechanic I in that the latter is the entry level class in the series. This class differs from Fire Equipment Mechanic Leadworker in that the latter is the advanced working/lead level.

Typical Tasks

(This list is neither inclusive nor exclusive. Consequently, this information may not reflect essential functions or cover all duties which may be assigned for this class).

Maintains and repairs all Fire Department equipment and apparatus including engines, truck, air brake systems, and ladders; designs and constructs component parts and units necessary to the operation of equipment and apparatus.

Rebuilds parts, such as crankshaft, transmission mounts, brackets and clamps.

Rebuilds, repairs and maintains heavy duty air brake systems.

Diagnose and repair electrical wiring circuits.

Performs fabrication tasks using lathes, shapers, drill presses, and welding equipment.

Fill and repair self contained breathing air cylinders as needed.

Disassembles, repairs and tests pumps, air compressors, resuscitators, extension ladders, and related Fire Department equipment.

Repairs and overhauls diesel and gasoline engines, ignition systems, air brake systems, transmissions, differentials, front and rear axle assemblies; repairs and installs hydraulic controls; tunes motors using standard testing equipment.

Performs related duties as required.

Knowledge, Abilities, and Skills

Knowledge of the methods, materials, tools, and techniques used in the maintenance and repair of heavy equipment.

Knowledge of hydraulics and pump operations, air brake systems and electrical wiring systems.

Knowledge of the operating principles of gasoline and diesel engines, and of mechanical repair of trucks and firefighting apparatus and equipment.

Knowledge of the pertinent OSHA requirements, occupational hazards and safety precautions of the trade.

Ability to diagnose defects in heavy equipment.

Ability to adapt available tools and repair parts to specific repair problems.

Ability perform basic acetylene and electric welding.

Ability to interpret and work from sketches and pencil diagrams.

Skill in the use of drill presses, lathes, micrometers, calipers, and other standard tools and equipment of the machinist trade.

Minimum Qualifications

One year of experience as a Fire Equipment Mechanic I with the City of Fresno or the equivalent.

Necessary Special Requirement

Possession of a valid California Driver's License at time of appointment and acquire a Class B California Driver's License within thirty (30) days of appointment and maintain a valid Class B California Driver's License for the entire term of employment in this class.

APPROVED: _____
Director

DATE: _____